

## PATENT ABSTRACTS OF JAPAN

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(54) HOLLOW YARN MEMBRANE MODULE

(57)Abstract:

PURPOSE: To prevent cutting troubles of hollow yarns and extend their service life by fixing protective yarns having similar properties to the hollow yarns with a cured layer around the outsides of upper and lower end parts of a plurality of hollow yarns and surrounding each end part of the hollow yarns with the protective yarns.

CONSTITUTION: Each upper and lower end parts of a plurality of hollow yarns 1 are fixed with adhesive cured layers 3, 5 and the hollow yarns are gathered while each yarn being kept in a distance. A protective yarn 7 having similar properties to the hollow yarns is fixed with the cured layer around at least the outside of the upper part of each upper and lower end parts of a plurality of the hollow yarns 1 so as to surround at least the upper part of each upper and lower part of the hollow yarns 1 with the protective yarn 7. As a result, cutting troubles of the hollow yarns are prevented and service life of the hollow yarns are extended.

